

In the Claims:

Please cancel claim 25, without prejudice, and amend claims 18, 24, 26, 38, and 50. The status of all claims is as follows:

1. (Previously Presented) A computerized method for delivering a digital ticket from a ticket provider to a ticket consumer across a communications channel, the method comprising:

first communicating, across a communications channel from a computer of a ticket provider to a computer of the ticket consumer, first digital data D_1 in respect of an occurrence relating to the ticket;

second communicating, across the communications channel from the computer of the ticket consumer to the computer of the ticket provider, second digital data D_2 relating to purchase of the ticket;

calculating in the computer of the ticket provider by use of a private key s a digital signature of third digital data D_3 , which third digital data D_3 is in respect of one or both of the first digital data D_1 and the second digital data D_2 , and which digital signature of the digital data D_3 is as well, being a proof both (i) that a private signature key s was used by the computer of the ticket provider in generation of the digital signature and (ii) that one or both of the digital data D_1 , D_2 was used in respect of its generation, (iii) suitably stored in a transportable storage medium;

wherein the digital data D_1 , D_2 in respect of which the digital signature of digital data D_3 was generated becomes a memorialization of a particular provision by the ticket provider of the particular digital ticket for the particular occurrence to the ticket consumer who is particularly identified at least as a party at the other end of the communicating transpiring across the communications channel;

third communicating, across the communications channel from the computer of the ticket provider to the computer of the ticket consumer, at least the signed digital data D_3 ;

first storing with the computer of the ticket consumer in the transportable storage medium at least the signed digital data D_3 , thus turning the transportable storage medium into a digital ticket;

physically transporting the digital ticket in the form of the transportable storage medium so containing at least the signed digital data D_3 , to a specific place for the occurrence relating to the ticket;

tendering the digital ticket for redemption to a ticket taker at the specific place;

reading into a computer of the ticket taker at least the signed digital data D_3 ;

recovering in the computer of the ticket taker, with a digital verification key v corresponding to the signature key s of the ticket provider and from the signed digital data D_3 , the digital data D_3 ; and

determining in the computer of the ticket taker IF the digital data D_3 was recoverable by verification key v AND, having been so recovered, the digital data D_3 correctly memorializes the particular provision by the ticket provider of the particular third

digital data D_3 for the particular occurrence to the particular ticket consumer who at one time communicated across the communications channel THEN the digital ticket is valid, ELSE IF the digital data D_3 was recovered by use of the verification key v BUT the digital data D_3 recovered incorrectly memorializes the particular provision by the ticket provider of the particular third digital data D_3 for the particular occurrence to the particular ticket consumer who at one time communicated across the communications channel THEN the digital ticket is invalid.

2. (Previously Presented) The digital ticket computerized delivery and redemption method according to claim 1

wherein the second communicating is of second digital data D_2 including a one-way function **hash (R)** of a number **R** which number **R** is uniquely known to the computer of the ticket consumer and not to the computer of the ticket provider;

wherein the calculating in the computer of the ticket provider is of a digital signature in respect of the third digital data D_3 including the one way function of **hash (R)** plus information **I** concerning the event for which the ticket is had, **Sign (s, I || hash (R))**;

wherein the third communicating is of **Sign (s, I || hash (R))**;

wherein the first storing is of **R** appended to **Sign (s, I || hash (R))**, or **Sign (s, I || hash (R)) || R**, as the digital ticket;

wherein the reading into the computer of the ticket taker is of the **Sign (s, I || hash (R)) || R**;

wherein the recovering in the computer of the ticket taker of the $I || \text{hash}(\mathbf{R})$ gives $\text{hash}(\mathbf{R})$; and, having both \mathbf{R} and $\text{hash}(\mathbf{R})$ to hand,

wherein the determining further proceeds by recalculating the $\text{hash}(\mathbf{R})$ in respect of \mathbf{R} , so that IF the recalculated $\text{hash}(\mathbf{R})$ equals to the recovered $\text{hash}(\mathbf{R})$ of the digital ticket as read THEN the digital ticket is valid ELSE IF the $\text{hash}(\mathbf{R})$ does not equal to the recovered $\text{hash}(\mathbf{R})$ of the digital ticket as read THEN the digital ticket is invalid.

3. (Original) The digital ticket computerized delivery and redemption method according to claim 2

wherein the determining still further proceeds so that IF the read digital ticket is the first uniquely presented THEN the digital ticket is valid ELSE IF the read digital ticket is not the first uniquely presented THEN the digital ticket is invalid.

4. (Original) The digital ticket computerized delivery and redemption method according to claim 2

wherein the second communicating is of a one-way hash function $\text{hash}(\mathbf{R})$ of a number \mathbf{R} ;

wherein the calculating in the computer of the ticket provider is of a digital signature in respect of signature key s of both the $\text{hash}(\mathbf{R})$ plus information \mathbf{I} concerning the event for which the ticket is had, $\text{Sign}(s, I || \text{hash}(\mathbf{R}))$;

wherein the third communicating is of $\text{Sign}(s, I || \text{hash}(\mathbf{R}))$;

wherein the first storing is of **R** appended to **Sign (s, I || hash (R))**, or **Sign (s, I || hash (R)) || R**, as the digital ticket;

wherein the reading into the computer of the ticket taker is of the **Sign (s, I || hash (R)) || R**;

wherein the recovering in the computer of the ticket taker of the **I || hash (R)** gives **hash (R)**; and, having both **R** and **hash (R)** to hand,

wherein the determining further proceeds by recalculating the **hash (R)** in respect of **R**, so that IF the recalculated **hash (R)** equals to the recovered **hash (R)** of the digital ticket as read THEN the digital ticket is valid ELSE IF the **hash (R)** does not equal to the recovered **hash (R)** of the digital ticket as read THEN the digital ticket is invalid.

5. (Original) The digital ticket computerized delivery and redemption method according to claim 4

wherein the determining still further proceeds so that IF the read digital ticket is the first uniquely presented THEN the digital ticket is valid ELSE IF the read digital ticket is not the first uniquely presented THEN the digital ticket is invalid.

6. (Original) The digital ticket computerized delivery and redemption method according to claim 1

wherein the calculating is of digital signature suitably displayed as a 2-D code;
and

wherein the first storing with the computer of the ticket consumer is by printing of the 2-D code upon a printable transportable storage medium.

7. (Original) The digital ticket computerized delivery and redemption method according to claim 6 wherein the reading into a computer of the ticket taker of the digital signature transpires by use of an optical reader.

8. (Previously Presented) A computerized method for delivery of a ticket from a ticket provider to a ticket consumer across a communications channel, the method comprising:

first transmitting, across a communications channel from a computer of a ticket provider to a computer of a ticket consumer, data regarding an event relating to the ticket; first calculating in the computer of the ticket consumer a number **R**; then

second calculating in the computer of the ticket consumer a one-way function of the number **R** as **hash (R)**;

second transmitting, across the communications channel from the computer of the ticket consumer to the computer of the ticket provider, at least the **hash (R)** as ticket order data;

third calculating in the computer of the ticket provider in respect of signature key **s** a digital signature of **hash (R)** appended to information **I** regarding the event as **Sign (s, I || hash (R))**, this **Sign (s, I || hash (R))** constituting a digital ticket precursor; then

third transmitting, across the communications channel from the computer of the ticket provider to the computer of the ticket consumer, the digital ticket precursor **Sign (s, I || hash (R))**;

fourth calculating, in the computer of the ticket consumer as an appending of **R** to the digital ticket precursor **Sign (s, I || hash (R))**, **Sign (s, I || hash (R)) || R**, as a digital ticket;

first storing the digital ticket **Sign (s, I || hash (R)) || R** from the computer of the ticket consumer to a transportable storage medium.

9. (Previously Presented) The method according to claim 8 expanded and extended to use of the digital ticket by the ticket consumer at the particular event, the method, after the first storing, further comprising:

transporting the transportable storage medium within which the digital ticket **Sign (s, I || hash (R)) || R** is written to the particular event;

tendering the digital ticket within the transportable storage medium for verification and for admission to the particular event;

reading the digital ticket **Sign (s, I || hash (R)) || R** to an event computer;

extracting in the event computer the number **R** from the read **Sign (s, I || hash (R)) || R**;

fifth calculating, by use of a verification key v complimentary to the signature key **s, I || hash (R)**; plus

sixth calculating in the event computer, with the same one-way function previously used in the second calculating, **hash (R)**; and then, having both **R** and sixth-calculated **hash (R)** to hand,

comparing the sixth-calculated **hash (R)** to the **hash (R)** portion of the fifth-calculated **I || hash (R)**;

wherein IF the fifth-calculating proceeds correctly AND the information **I** is correct for the event AND the sixth-calculated **hash (R)** compares to the fifth-calculated **hash (R)** of the digital ticket as read THEN grant admission to a holder of the digital ticket ELSE IF the fifth-calculating proceeds incorrectly OR the information **I** is incorrect for the event OR the sixth-calculated **hash (R)** fails to compares to the fifth-calculated **hash (R)** of the digital ticket as read THEN deny admission to the holder of the digital ticket.

10. (Original) The method according to claim 9

wherein IF the fifth-calculating proceeds correctly AND the information **I** is correct for the event AND the sixth-calculated **hash (R)** compares to the fifth-calculated **hash (R)** of the digital ticket as read AND the read digital ticket is the first uniquely presented THEN grant admission to a holder of the digital ticket ELSE IF the fifth-calculating proceeds incorrectly OR the information **I** is incorrect for the event OR the sixth-calculated **hash (R)** fails to compares to the fifth-calculated **hash (R)** of the digital ticket as read OR the read digital ticket is not the first uniquely presented THEN deny admission to the holder of the digital ticket.

11. (Original) The method according to claim 9 that, between the extracting and the fifth calculating, further comprises:

second storing **R** in the event computer as an indication that the digital ticket has been tendered.

12. (Original) The method according to claim 8 where the ticket provider is also a ticket seller, the ticket consumer is also a ticket buyer, and the delivery of the ticket to the ticket consumer across the communications channel accompanies a sale of the ticket:

wherein the second transmitting further includes electronic payment suitable to the order data.

13. (Original) The method according to claim 8 wherein the first transmitting, the second transmitting and the third transmitting are upon a worldwide communications network.

14. (Original) The method according to claim 8 wherein the first transmitting, the second transmitting and the third transmitting are upon a worldwide secure or encrypted communications network.

15. (Original) The method according to claim 14 wherein the first transmitting, the second transmitting and the third transmitting are upon the Internet.

16. (Original) The method according to claim 15 wherein the first transmitting, the second transmitting and the third transmitting are upon the Secure Socket Layer (or SSL) of the Internet.

17. (Previously Presented) The method according to claim 8 wherein the first storing is in a transportable medium for delivering to the site of the particular selected event to there be tendered as a digital ticket by the ticket consumer.

18. (Currently Amended) The method according to claim 8 wherein the first storing is in the transportable medium of a printed substrate; wherein the printed encrypted digital record is subsequently ~~physically delivered~~ physically delivered to the site of the particular selected event to there be tendered as the digital ticket by the ticket consumer.

19. (Original) The method according to claim 18 wherein the first storing in the transportable medium of a printed substrate is in form of a two-dimensional bar code.

20. (Original) The method according to claim 19

wherein the first storing in the transportable medium of a printed two-dimensional bar code is in accordance with the PDF417 standard.

21. (Original) The method according to claim 19

wherein the first storing in the transportable medium of a printed two-dimensional bar code is in accordance with the QR standard.

22. (Original) The method according to claim 8

wherein the first storing in the transportable medium of a computer disk.

23. (Previously Presented) The method according to claim 8

wherein the first storing is in the transportable medium of a smart card;

wherein the digital record stored within the smart card is physically delivered to the site of the particular selected event to there be tendered as the digital ticket by the ticket consumer.

24. (Currently Amended) A system for delivering a digital ticket upon

a communications network comprising:

a ticket consumer's computer, connected to the communications network, the ticket consumer's computer comprising means for first transmitting ticket order data upon the

communications network to a ticket provider's computer, means for first receiving upon the communications network from the ticket provider's computer a digitally signed ticket data, and means for storing the digitally signed ticket data in a transportable storage medium;

a ticket provider's computer, connected to the communications network, the ticket provider's computer comprising means for second receiving from the ticket consumer's computer upon the communications network the first-transmitted ticket order data, means for digitally signing the ticket data, and means for second transmitting the digitally signed ticket data upon the communications network to the ticket consumer's computer; and

a communications network, the communications network comprising means for communicating at a first time the first-transmitting of the ticket consumer's computer to the second-receiving of the ticket provider's computer, and means for communicating at a second time the ~~fourth-transmitting~~ second-transmitting of the ticket provider's computer to the first-receiving of the ticket consumer's computer;

wherein the ticket consumer's computer further comprises means for first calculating a number **R**, and means for second calculating a one way function of **R** to produce **hash (R)** as ticket data;

wherein the first transmitting is of the second-calculated **hash (R)** as the ticket data,

wherein the first receiving is of **hash (R)** and additional information **I** digitally signed with signature key **s** as **Sign (s, I || hash (R))**,

wherein the ticket consumer's computer further comprises means for third calculating an appending of **R** to the digital ticket precursor **Sign (s, I || hash (R))**, giving **Sign (s, I || hash (R)) || R** as a digital ticket, and wherein the storing is of the third-calculated digital ticket **Sign (s, I || hash (R)) || R**;

wherein the second receiving comprises receiving the first-transmitted **hash (R)** ticket order data,

wherein the ticket provider's computer further comprises means for calculating a digital signature in respect of the ticket data, and additional information **I**, in respect of signature key **s** as **Sign (s, I || hash (R))**, and

wherein the second transmitting comprises transmitting the calculated **Sign (s, I || hash (R))**.

25. (Cancelled)

26. (Currently Amended) The system for delivering a digital ticket according to claim 25~~24~~

wherein the means for storing the digital ticket comprises means for printing the digital ticket.

27. (Previously Presented) The system for delivering a digital ticket according to claim 26

wherein the means for printing prints the digital ticket in a 2-D machine-readable pattern.

28. (Previously Presented) The system for delivering a digital ticket according to claim 27

wherein the 2-D machine-readable pattern comprises a 2-D machine-readable bar code pattern.

29. (Previously Presented) A system for delivering a digital ticket upon a communications network comprising:

a ticket consumer's computer, connected to the communications network, the ticket consumer's computer comprising means for first calculating a number **R**, means for second calculating a one way function of **R** to produce **hash (R)** as ticket data, means for first transmitting the second-calculated **hash (R)** ticket data upon the communications network to a ticket provider's computer as a ticket data for a particular selected event, means for first receiving upon the communications network a digitally signed data in respect of signature key **s** of **hash (R)** and additional information **I** as **Sign (s, I || hash (R))**, means for third calculating an appending of **R** to the digital ticket precursor **Sign (s, I || hash (R))** so as to give **Sign (s, I || hash (R)) || R** in a digital ticket, and means for first storing the third-calculated digital ticket **Sign (s, I || hash (R)) || R** in a transportable storage medium;

a ticket provider's computer, connected to the communications network, the ticket provider's computer comprising means for second receiving from the ticket consumer's computer upon the communications network the first-transmitted **hash (R)** ticket data, means for fourth calculating digitally signed data in respect of signature key **s** of second-received **hash R** and of information **I** as **Sign (s, I || hash (R))**, and means for second transmitting the fourth-calculated **Sign (s, I || hash (R))** upon the communications network to the ticket consumer's computer;

and a communications network, the communications network comprising means for communicating at a first time the first-transmitting of the ticket consumer's computer to the second-receiving of the ticket provider's computer, and means for communicating at a second time the fourth-transmitting of the ticket provider's computer to the first-receiving of the ticket consumer's computer.

30. (Previously Presented) A digital ticket comprising:

A tangible transportable data storage medium containing a digital signature of an issuer of the ticket, the digital signature comprising a digital representation of **Sign (s, I || hash (R)) || R**, where **R** is a random number private to the ticket consumer, **hash (R)** is a one-way function of **R**, and **Sign (s, I || hash (R))** is a digital signature, in respect of signature key **s** private to the ticket provider, of the **hash (R)** appended to information **I**.

31. (Cancelled)

32. (Original) A digital ticket procured by a ticket consumer upon a communication network from and by interaction with a ticket provider, the digital ticket comprising:

a tangible transportable data storage medium containing **Sign (s, I || hash (R)) || R** where **R** is a random number private to the ticket consumer, **hash (R)** is a number that is a one-way function of **R**, and **Sign (s, I || hash (R))** is a digital signature, in respect of signature key **s** private to the ticket provider, of the **hash (R)** appended to information **I**.

33. (Previously Presented) A digital ticket procured by a ticket consumer upon a communication network from and by interaction with a ticket provider, the digital ticket comprising:

a tangible transportable data storage medium containing **Sign (s, I || hash (R)) || R** where

(1) **R** is a number having its origin in a computer of the ticket consumer, which number **R** is appended to

(2) a number **Sign (s, I || hash (R))** that was computed in a computer of the ticket provider as a digitally signature signed data in respect of a signature key **s** of a number **hash (R)** appended to information **I**, thus **Sign (s, I || hash (R))**, and subsequently communicated across the communications network to the computer of the ticket consumer, which number **hash (R)** was itself computed in the computer of the ticket consumer as a one

way function of **R**, thus **hash (R)**, and subsequently communicated to the computer of the ticket provider;

wherein number **R**, having its origin in a computer of the ticket consumer, is private to the ticket consumer and is not public, and

wherein the digital signature key **s** of the computer of the ticket provider is private to the ticket provider and is not public.

34. (Previously Presented) A digital ticket comprising:
a tangible transportable digital data storage medium containing
first-type data, originally known both to a buyer and to a seller of a ticket and meaningful to at least the seller of the ticket to identify, at least relatively, a particular event for which the ticket was sold, and

second-type data including a signed digital representation of a particular parameter that was originally computer-generated in a sequence

first by the buyer of the ticket as a non-invertible function of a random number called a “first-time-made non-invertible function”, and then

second by the seller of the ticket as a digital signature of the first-time-made non-invertible function, and then

third by the buyer of the ticket to attach the selfsame random number;

wherein, to validate the digital ticket upon attempted redemption of the ticket, the random number is detached, and then

the signed first-time-made non-invertible function is interpreted, recovering this first-time-made non-invertible function, and then

the non-invertible function of that selfsame random number just detached is newly made all over again, which newly made non-invertible function is called the “second-time-made non-invertible function”;

wherein the second-time-made non-invertible function EITHER equals the first-time-made non-invertible function IN WHICH CASE the ticket is not invalid OR ELSE the second-time-made non-invertible function does not equal the first-time-made non-invertible functional thus making the digital ticket is invalid for at least the particular event.

35. (Original) The digital ticket according to claim 34 wherein the digital signature within the tangible medium as read by a digital reader is further compared to a data base of digital tickets actually signed and sold not so as to determine whether a tendered digital ticket is valid or invalid but rather for statistical purposes.

36. (Original) The digital ticket according to claim 34 wherein the digital signature within the tangible medium is visible to the eye.

37. (Original) The digital ticket according to claim 34

wherein the digital signature visible to the eye is comparable by eye to a catalog of visual sensible representations of digital tickets actually signed and sold in order to determine whether a tendered digital ticket is valid or invalid.

38. (Currently Amended) A system for delivering a digital ticket from

a ticket seller to a ticket buyer, the system comprising:

a communication channel comprising means for, at a first time, sending from a ticket seller to a ticket buyer data regarding events for which tickets may be had, means for, at a second time, sending from the ticket buyer to the ticket seller data representative of a non-invertible transformation of a number determined by the ticket buyer only, and means for, at a third time, sending from the ticket seller to the ticket buyer a digital signature of the non-invertible transformation, wherein the received digital signature of the non-invertible transformation is combined with the number to produce a digital ticket;

a ticket buyer's computer, communicatively connected to the communications channel, the ticket buyer's computer comprising means for determining the number, means for computing the non-invertible transformation, and means for combining the digital signature of the non-invertible transformation with the number to produce a digital ticket;

a ticket seller's computer, communicatively connected to the communications channel, the ticket seller's computer comprising means for computing, in respect of the non-

invertible transformation received from the ticket buyer, the digital signature of the non-invertible transformation; and

a tangible portable medium of digital data storage connected to the buyer's computer and storing the digital ticket.

39. (Original) The system according to claim 38 wherein the communication channel is sending at the second time a random number.

40. (Original) The system according to claim 38 wherein the communication channel is sending at the second time a number representing the particular selected event.

41. (Original) The system according to claim 38 wherein the communication channel comprises:

a worldwide digital communications network.

42. (Original) The system according to claim 38 wherein the communication channel comprises: a worldwide secure digital communications network.

43. (Original) The system according to claim 38 wherein the tangible portable medium of digital data storage comprises:

a computer disk.

44. (Original) The system according to claim 38 wherein the tangible portable medium of digital data storage comprises:

a printed medium.

45. (Previously Presented) A printed ticket bearing indicia CHARACTERIZED IN THAT the indicia includes a 2-D bar code containing a one-way function of a number provided by a holder of the ticket, the one-way function being digitally signed by a provider of the ticket.

46. (Cancelled)

47. (Cancelled)

48. (Original) The printed ticket bearing indicia according to claim 45 FURTHER CHARACTERIZED IN THAT the 2-D bar coded indicia contains **Sign (s, I || hash (R)) || R** where

(1) **R** is a number having its origin in a computer of a consumer of the ticket, which number **R** is appended to

(2) a number **Sign (s, I || hash (R))** that was
computed in a computer of a provider of the ticket as a digital signature in respect of digital signature key **s** of the number **hash (R)** in combination with information **I**,
subsequently communicated across the communications network to the computer of the ticket consumer, which number **hash (R)** was itself

computed in the computer of the ticket provider as a one way function of **R** and
subsequently communicated to the computer of the ticket provider;

wherein number **R**, having its origin in a computer of the ticket consumer, is private to the ticket consumer and is not public; and

wherein the digital signature key **s** of the computer of the ticket provider is private to the ticket provider and is not public.

49. (Original) A communications system for selling and delivering a digital ticket comprising:

a ticket buyer computer (i) sending at a first time a one-way transformation of a private number to a seller computer, (ii) receiving at a third time signed information from the ticket seller computer, and (iii) storing at a fourth time within a digital store the received encrypted signed information plus the private number;

a ticket seller computer (i) receiving at the first time the one-way transformation of the private number from the seller computer, (ii) signing at a second time this one-way transformation and additional information, and (iii) sending at the third time the signed first transformation and additional information to the ticket buyer computer as signed information; and

a digital store storing at the fourth time the signed information plus the private number as a digital ticket;

wherein upon (i) a reading of the signed information, (ii) a decrypting of the signed information to recover the one-way transformation of the private number, (iii) a reproducing with the same secure first transformation that the ticket seller used the secure first transformation of the number all over again, and (iv) a comparing of the decrypted recovered one-way transformation to the reproduced first transformation, validity of the digital ticket is assessable.

50. (Currently Amended) A method for selling and delivering a digital ticket comprising:

first-sending at a first time a one-way transformation of a private number from a ticket buyer computer to a ticket seller computer; first-receiving at the first time the one-way transformation of the private number in the ticket seller computer;

signing at a second time the one-way transformation and additional information in the ticket seller computer;

second-sending at a third time the signed first transformation and additional information as signed information from the ticket seller computer to the ticket buyer computer;

second-receiving at the third time the signed information in the ticket buyer computer;

storing with the ticket buyer computer at a fourth time both (i) the received signed information plus (ii) the private number within a digital memory store;

storing within the digital memory store at the fourth time the signed information plus the private number as a digital ticket;

wherein upon (i) a reading of the signed information, (ii) a decrypting of the signed information to recover the one-way transformation of the private number, (iii) a reproducing, with the same secure first transformation that the ticket seller used, the secure first transformation of the number all over again, and (iii) a comparing of the decrypted recovered one-way transformation to the reproduced first transformation, validity of the digital ticket is assessable.

51. (Original) In a communications system having a computer of a ticket buyer bi-directionally communicating across an insecure digital communications network to the secure computer of a ticket seller, a method for selling and for delivering a digital ticket from a ticket seller to a ticket buyer, the method comprising:

at a first time first-sending from the computer of the ticket seller across the communications network to the computer of the ticket buyer first data regarding events for which tickets may be had; then at a second time

second-sending from the computer of the ticket buyer across the communications network to the computer of the ticket seller second data identifying and event for which a ticket is desired, the second data accompanied by a secure first transformation of a number that is determined by the ticket buyer only and unknown to others including the ticket seller; then at a third time

third-sending from the computer of the ticket seller across the communications network to the computer of the ticket buyer third data confirming ticketing to the event for which the ticket was desired, the third data accompanied by a secure second transformation of the secure first transformation; and then

storing, with the computer of the ticket buyer within a tangible portable medium of digital data storage, (i) the number in accompaniment to (ii) the secure second transformation;

wherein upon (i) transportation of the digital data storage medium to a physical site of the event, (ii) reading of the number to a computer, and, by use of the same secure first transformation that the buyer did use, reproduction of the secure first transformation of the number all over again, plus (iii) reversing of the secure second transformation by an event computer privileged to knowledge of said second transformation, then a (ii) read and

reproduced first transformation is comparable to a (iii) first transformation recovered from reversing the second transformation in order to assess validity of the digital ticket.

52. (Original) The method according to claim 51 wherein the second-sending is of the second data accompanied by a secure first transformation in the form of a one-way hash function of the number.

53. (Original) The method according to claim 51 wherein the third-sending is of the second data accompanied by a secure transformation in the form of a digital signature of the secure first transformation.

54. (Original) The method according to claim 51 wherein the storing within a tangible portable medium of digital data storage comprises:
printing.

55. (Original) The method according to claim 51 wherein the printing is of at least the (ii) secure second transformation in the form of a two-dimensional bar code.